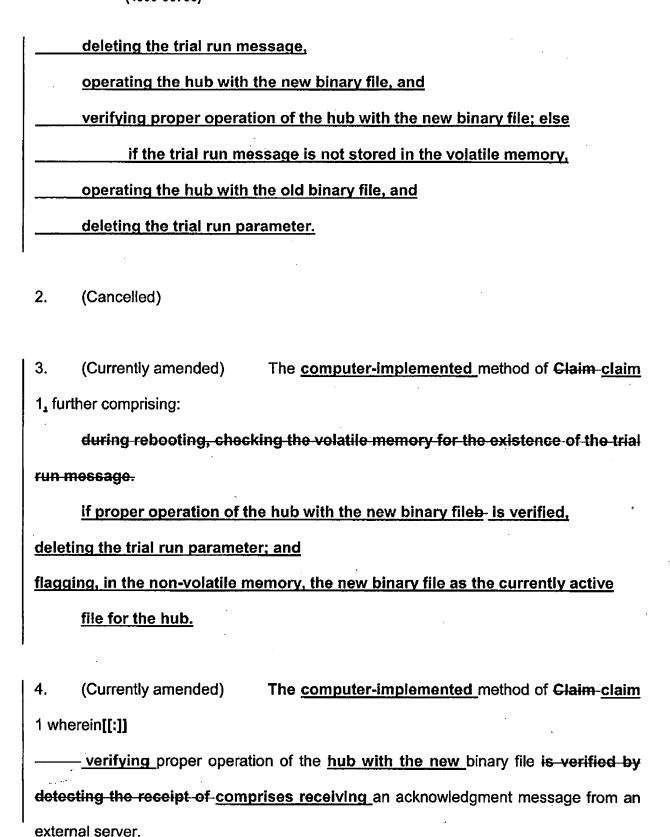## AMENDMENTS TO THE CLAIMS

LISTING OF THE CLAIMS:

1.   (Currently amended)   A   **computer-implemented**   method   ~~for~~   **of**

downloading a binary file ~~in~~ **to** a customer premises telecommunications hub, **the**

method comprising:

receiving a **new** binary file in [[a]] **the** customer premises telecommunications hub,

   ~~loading the binary file into flash memory,~~

~~   storing a trial run message identifying the binary file in volatile memory,~~

~~   soft rebooting the hub with the binary file,~~

~~   operating the hub with the binary file,~~

~~   verifying proper operation of the binary file, and~~

~~   after verifying proper operation of the binary file, designating the binary file~~

~~as the current binary file for the hub.~~

configuring a non-volatile memory using a trial run parameter; ROM, FLASH

loading the new binary file into a location of non-volatile memory on the hub, the

   non-volatile memory flagging an old binary file as a currently active file;

rebooting the hub; and   RAM

checking, during the rebooting, whether a trial run message is stored in a volatile

   memory on the hub; and

      if a trial run message is stored in the volatile memory,

      identifying the location in non-volatile memory of the new binary file based

on the

      trial run message,

2

deleting the trial run message,

operating the hub with the new binary file, and

verifying proper operation of the hub with the new binary file; else

if the trial run message is not stored in the volatile memory,

operating the hub with the old binary file, and

deleting the trial run parameter.

2.   (Cancelled)

3.   (Currently amended)   The **computer-implemented** method of ~~Claim~~ **claim** 1, further comprising:

~~during rebooting, checking the volatile memory for the existence of the trial run message.~~

If proper operation of the hub with the new binary fileb **is verified, deleting the trial run parameter; and**

flagging, in the non-volatile memory, the new binary file as the currently active file for the hub.

4.   (Currently amended)   The **computer-implemented** method of ~~Claim~~ **claim** 1 wherein[[:]]

verifying proper operation of the **hub with the new** binary file ~~is verified by detecting the receipt of~~ **comprises receiving** an acknowledgment message from an external server.

5.   (Currently amended)   The **computer-implemented** method of ~~Claim~~ <u>claim</u> 1 wherein[[:]]

<u>verifying</u> proper operation of the <u>hub with the new</u> binary file ~~is verified by detecting the receipt of~~ <u>comprises receiving</u> a configuration file from an external server.

6.   (Currently amended)   The **computer-implemented** method of ~~Claim~~ <u>claim</u> 1 wherein:

proper operation of the binary file is verified by detecting the receipt of a domain name from an external server.

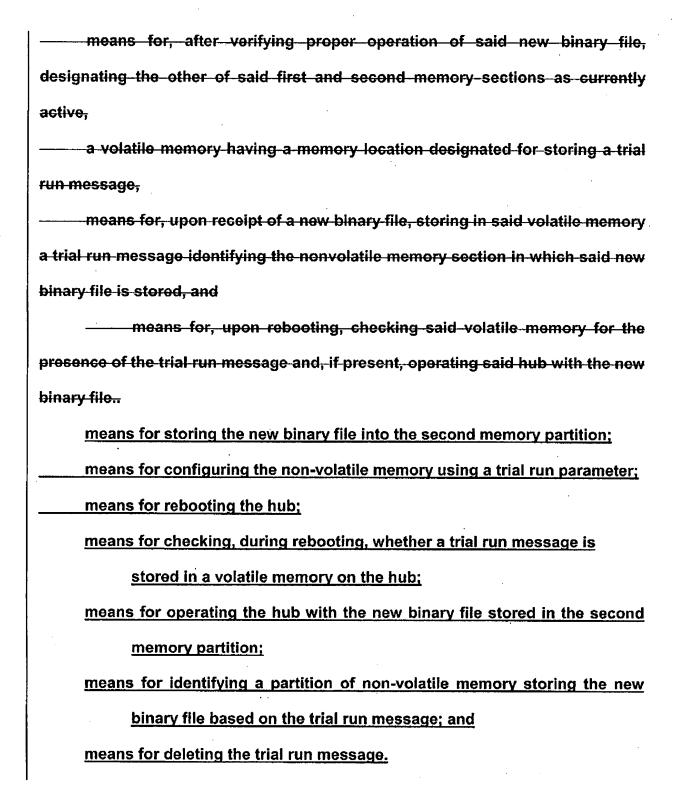7.   (Currently amended)   A customer premises telecommunications hub comprising:

a nonvolatile memory having <u>a</u> first and second memory ~~sections for storing binary files,~~ <u>partition;</u>

means for designating ~~one of said first and second memory sections~~ <u>an old binary file in the first memory partition</u> as currently active~~[[,]]~~<u>;</u>

means for receiving a new binary file ~~and storing it in the memory section which is not designate as currently active,~~<u>;</u>

~~means for soft rebooting said hub with the new binary file,~~

~~means for verifying proper operation of said new binary file,~~

~~means for, after verifying proper operation of said new binary file, designating the other of said first and second memory sections as currently active,~~

~~a volatile memory having a memory location designated for storing a trial run message,~~

~~means for, upon receipt of a new binary file, storing in said volatile memory a trial run message identifying the nonvolatile memory section in which said new binary file is stored, and~~

~~means for, upon rebooting, checking said volatile memory for the presence of the trial run message and, if present, operating said hub with the new binary file..~~

means for storing the new binary file into the second memory partition;

means for configuring the non-volatile memory using a trial run parameter;

means for rebooting the hub;

means for checking, during rebooting, whether a trial run message is

stored in a volatile memory on the hub;

means for operating the hub with the new binary file stored in the second

memory partition;

means for identifying a partition of non-volatile memory storing the new

binary file based on the trial run message; and

means for deleting the trial run message.

8.   (Cancelled)

9.   (Currently amended)   [[A]]The customer premises telecommunications hub according to Claim-claim 7, wherein:

said means for verifying proper operation comprises means for detecting the receipt of a signal by said hub from an external server.

10.   (Currently amended)   [[A]]The customer premises telecommunications hub according to Claim-claim 9, wherein:

said signal is an acknowledge message from a DHCP server.

11.   (Currently amended)   [[A]]The customer premises telecommunications hub according to Claim-claim 9, wherein:

said signal is a configuration file from a TFTP server.

12.   (Currently amended)   In a customer premises telecommunications hub, a method comprising;

storing a message in a volatile memory across a soft reboot process where the message is a trial-run message identifying a new binary file stored in a memory location which has not been designated as the location of the currently active binary file.

storing a new binary file in a location of non-volatile memory, the non-volatile memory flagging an old binary file as a currently active binary file;

storing a trial run message in a volatile memory,

wherein the trial run message identifies the new binary file stored in the location of non-volatile memory;

rebooting the hub;

if the trial run message is still stored in the volatile memory, deleting the trial run message; and

operating the hub with the new binary file, and

verifying proper operation of the hub with the new binary file, and

after verifying proper operation of the new binary file,

flagging, in the non-volatile memory, the new binary file as the currently active binary file, and

deleting the trial run parameter.

13-15. (Cancelled)

16.   (New) The computer-implemented method of claim 3, further comprising

if proper operation of the hub with the new binary file is not verified,

rebooting the hub;

operating the hub with the old binary file; and

deleting the trial run parameter.

17.   (New) The customer premises telecommunications hub of claim 7, further comprising:

means for operating the hub with the old binary file stored in the first memory

partition; and

means for deleting the trial run parameter.

18.   (New) In the customer premises telecommunications hub of claim 12, the method further comprising:

rebooting the hub; and

if proper operation of the hub is not verified,

operating the hub with the old binary file; and

deleting the trial run parameter.

19. (New)   In the customer premises telecommunications hub of claim 12, the method further comprising:

if proper operation of the hub with the new binary file is verified,

flagging, in the non-volatile memory, the new binary file as the currently active

binary file; and

deleting the trial run parameter.